

Publications of the
DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS

12-15-25
Letter
Circular
LC 144

WASHINGTON, D. C.

(Revised to December 15, 1925)

PUBLICATIONS RELATING TO LIME

- Physical Properties of Lime, by A. V. Bleining, Trans. Nat'l Lime Mfgs. Assoc., 1909, p. 98, (4).
- Lime: Its Properties and Uses, Bureau of Standards Circular No. 30, (2), 5¢.
- Work of the Lime Section of the U. S. Geological Survey, by A. V. Bleining, Trans. Nat'l Lime Mfgs. Assoc., 1910, p. 39, (4).
- Spreading and Setting Properties of Lime Mortar, by H. E. Ashley, Trans. Nat'l Lime Mfgs. Assoc., 1910, p. 43, (4).
- Investigations of Lime, by W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1910, p. 48, (4).
- Kiln Design, by W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1910, p. 90, (4).
- Burning Temperature of Limestone, by A. V. Bleining and W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1911, p. 68, and Proceed. Amer. Ceramic Soc., 1911, p. 618, (4).
- Tests of Lime, by W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1911, p. 192, (4).
- Lime, by W. E. Emley, Proceed. Sand-Lime Brick Assoc., 1911, p. 11, (4).
- Heat Efficiency of Lime Kilns, by W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1912, p. 95, (4).
- Testing Commercial Limes, by S. E. Young, Trans. Nat'l Lime Mfgs. Assoc., 1912, p. 252, (4).
- Quality of Limestone and Lime, by W. E. Emley, Mining and Scien. Press, Dec. 26, 1912, p. 410, (4).
- Quality of Lime: Lime Burning, by W. E. Emley, Mineral Resources of the United States, U. S. Geological Survey, 1911, pt. 2, p. 714, (4).
- Manufacture of Lime, by W. E. Emley, Bureau of Standards Technologic Paper No. 16, (2) 50¢.
- Source, Manufacture and Use of Lime, by E. F. Burchard and W. E. Emley, Mineral Resources of the United States, U. S. Geological Survey, 1913, pt. 2, p. 1509, (4).
- Tests of Commercial Limes, by W. E. Emley, Trans. Nat'l Lime Mfgs. Assoc., 1913, p. 77, (4).
- Use of Hydrated Lime in Portland Cement, by W. E. Emley and H. P. Greenwald, Trans. Nat'l Lime Mfgs. Assoc., 1913, p. 245, (4).
- Preparation of Chart to Show the Decomposition of Limestone, by W. E. Emley and H. P. Greenwald, Trans. Nat'l Lime Mfgs. Assoc., 1913, p. 248, (4).
- Crushing Strength of Lime Mortar, by W. E. Emley and S. E. Young, Trans. Nat'l Lime Mfgs. Assoc., 1913, p. 254, (4).

- Method of Indicating the Rate of Set of Lime Mortar, by W. E. Emley, Trans. Amer. Cer. Soc., 1914, p. 117, (4).
- Effect of Consistency and Amount of Sand on the Properties of Lime Mortars, by W. E. Emley, Trans. Amer. Cer. Soc., 1914, p. 151, (4).
- Burning of Lime During Hydration, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1914, p. 254, (4).
- Method of Testing for the Popping of Lime, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1914, p. 256, (4).
- Strength of Lime Mortar, by W. E. Emley and S. E. Young, Proceed. Amer. Soc. for Testing Mat., 1914, p. 338, (4), Eng. News, July 16, 1914, p. 157, (4), Eng. Record, July 18, 1914, p. 76, (4).
- Use of Lime in Portland Cement Mortar, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1914, p. 258, (4).
- Kind of Package as Affecting the Rate of Carbonation of Hydrated Lime, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1914, p. 262, (4).
- Method of Measuring the Rate of Carbonation of Lime Mortar, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1914, p. 263, (4).
- Measurement of the Plasticity of Hydrated Lime, by the Compressive Method, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1915, p. 246, (4).
- Uses of Lime; Mortar, by W. E. Emley, Scien. Amer. Sup. Nov. 20, 1915, p. 332, (4).
- Practical Method for Comparing the Working Qualities of Hydrated Limes, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1916, p. 175, (4).
- Comparative Values of Different Kinds of Fuels for Lime Burning, by W. E. Emley, Trans. Nat'l. Lime Mfgs. Assoc., 1916, p. 282, (4).
- Durability of Stucco and Plaster Construction, by R. J. Wig, J. C. Pearson, and W. E. Emley, B. of S. Technologic Paper No. 70, (2), 15¢.
- Properties of Cement-Lime-Sand Mortars, by W. E. Emley, Proc. Amer. Soc. for Testing Materials, 1917, p. 261, (4).
- Effect of Hydrated Lime on the Compressive Strength of Concrete, by W. E. Emley and S. K. Kaczorowski, Bull. No. 2, Nat'l. Lime Mfgs. Assoc., 1917, (4).
- What is the Most Efficient Type of Lime Kiln, by W. E. Emley, Rock Products, Oct. 24, 1917, p. 23, (4).
- Tests of Clays and Limes by the Bureau of Standards Plasticimeter, by F. A. Kirkpatrick and W. B. Orange, Jour. Amer. Cer. Soc., 1918, p. 170, (1), (4).
- Heat and Temperature Required to Decompose Limestone, by W. E. Emley, April 10, 1918, p. 33, (4).
- Producer Gas for Burning Lime, by W. E. Emley, Rock Products, Aug. 28, 1918, p. 23, (4).
- Compressive Strength of Cement-Lime Mortars, by F. A. Kirkpatrick and W. B. Orange, Jour. Amer. Cer. Soc., 1919, p. 44, (4).
- Measurement of Plasticity of Mortars and Plasters, by W. E. Emley, B. of S. Tech. Paper No. 169, (2), 10¢.
- Recommended Specifications for Quicklime and Hydrated Lime for Use in the Cooking of Rags for the Manufacture of Paper, B. of S. Cir. No. 96, (2), 5¢.

- Use of Lime in Construction, by W. E. Emley, Rock Products, July 3, 1920, p. 65, (4).
- Popping of Lime Plaster, by W. E. Emley and C. H. Bacon, Jour. Amer. Cer. Soc., 1920, p. 877, (1), (4).
- Lime: Definitions and Specifications, B. of S. Circular No. 106, (2), 5¢.
- Recommended Specification of Limestone, Quicklime and Hydrated Lime for Use in the Manufacture of Glass, B. of S. Circular No. 118, (2) 5¢.
- Manufacture of Lime, by W. E. Emley, Proc. Sand-Lime Brick Assoc., 1922, p. 52, (4).
- Intelligent Scientific Control Essential to the Lime Industry, by W. E. Emley, Chem. and Met. Eng., Aug. 30, 1922, (4); Concrete, Oct. 1922, (4).
- Effect of Hydrated Lime on the Strength and Flow of Concrete, by W. E. Emley, Proc. Amer. Soc. for Testing Materials, 1922, pt. I, p. 284, (4); Rock Products, Nov. 18, 1922, (4), Proc. Nat'l. Lime Assoc., 1922, p. 57, (4).
- Panel Tests of Lime Plaster, by W. E. Emley and E. E. Berger, Jour. Amer. Cer. Soc., Vol. 6, pp. 1007-1010, (1923), (1), (4).
- Recommended Specification for Quicklime for Use in Causticizing, B. of S. Cir. No. 143, (2), 5¢.
- Recommended Specification for Limestone and Quicklime for Use in the Manufacture of Sulphite Pulp, B. of S. Cir. No. 144, (2), 5¢.
- Tests of Lime Block, by W. E. Emley, Proc. Nat'l. Lime Assoc., 1923, p. 96, (4).
- Process for Improving the Quality of Masons' Hydrated Lime, by F. C. Welch, U.S. Pat. No. 1,410,087, (4).
- Recommended Specifications for Quicklime and Hydrated Lime for Use in the Manufacture of Sand-Lime Brick, B. of S. Circular No. 150, (2) 5¢.
- Recommended Specifications for Quicklime and Hydrated Lime for Use in the Manufacture of Silica Brick, B. of S. Circular No. 153, (2), 5¢.
- Recommended Specification for Ceramic Whiting, B. of S. Circular No. 152, (2), 5¢.
- Wall Plaster: Its Ingredients, Preparation and Properties, B. of S. Circular No. 151, (2), 15¢.
- Consistency of Lime Pastes and Mortars, by W. E. Emley, Proc. Amer. Soc. for Testing Materials, Part II, p. 440, 1923, (4).
- Sand-Lime Brick, by W. E. Emley, Proc. Building Officials Conference, 1923, (4).
- Recommended Specifications for Quicklime and Hydrated Lime for Use in the Absorption of Carbon Dioxide, B. of S. Circular 189, (2), 5¢.
- Cement-Lime Mortars, by H. V. Johnson, in preparation.
- Plastering Sands, by H. V. Johnson, Rock Products, March, 1925, (4).
- Recommended Specifications for Quicklime and Hydrated Lime for Use in Water Purification, B. of S. Circular No. 231, (2), 5¢.
- Recommended Specifications for Limestone, Quicklime and Hydrated Lime for Use in the Manufacture of Sugar, B. of S. Circular No. 207, (2) 5¢.

Recommended Specification for Lime for Use in the Manufacture of Calcium Arsenate, B. of S. Circular No. 203, (2), 5¢.

U. S. Government Master Specification for Hydrated Lime for Structural Purposes, B. of S. Circular No. 204, (2), 5¢.

U. S. Government Master Specification for Quicklime for Structural Purposes, Bureau of Standards Circular No. 201, (2), 5¢.

Hydrating Lime for Bleach Manufacture, by D. F. Richardson, W. E. Emley and J. M. Porter, Chemical and Metallurgical Engineering, Vol. 32, No.

U. S. Government Master Specification for Lathing and Plastering, in preparation.

Some Properties of Quicklime Mortars, by E. A. Miller, in preparation.

Rules and Regulations for the Enforcement of the Lime-Barrel Act, B. of S. Circular No. 64, (2), 5¢.

Recent Work of the Lime, Gypsum and Sand-Lime Brick Section of the Bureau of Standards, Rock Products, October 31, 1925, p. 60 (4).

The Thermal Dissociation of Calcium and Magnesium Carbonates and Hydroxides, in preparation.

- (1) Available for distribution upon request by Bureau of Standards.
- (2) For sale by Superintendent of Documents, Government Printing Office, Washington, D.C., at prices given.
- (3) Supply exhausted. May be consulted in certain libraries listed in January, 1924, Supplement to Bureau of Standards Circular No. 24.
- (4) May be obtained from office of society or association by which published or publishers of journal in which article appeared.

